## UTILITY PATENT APPLICATION **TRANSMITTAL**

Attome	y Docket No.	01-562		
First In	ventor or Applic	ation Identifier	AOKI	<u>a.</u> ;
Title	SEMICOND STRUCTUR THE SAME	UCTOR DEVICE RE AND METHOD	HAVING FOR MA	TRENCH GAYE NUFACTURING
				ω.

(Only for new nonprovisional applications under 37 C.F.R.§ 1.53(b)) Express Mail Label No. Commissioner for Patents **APPLICATION ELEMENTS** ADDRESS TO: Mail Stop Patent Application See MPEP chapter 600 concerning utility patent application contents. Alexandria, VA 22313-1450 Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) Х 5. Microfiche Computer Program (Appendix) 1. X Specification [Total Pages 39 6 Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Copy -Descriptive title of the Invention b. -Cross Reference to Related Applications Paper Copy (identical to computer copy) C. -Background of the Invention Statement verifying identity of above copies ACCOMPANYING APPLICATION PARTS -Summary of the Invention -Brief Description of the Drawings 7. X | Assignment Papers (cover sheet & document(s)) -Detailed Description of the Preferred Embodiment Assignee: DENSO CORPORATION 37 C.F.R.§ 3.73(b) Statement (when there is an Power of -Claims 8. Attorney Abstract of the Disclosure 9. English Translation Document (if applicable) X Information Disclosure Copies of IDS 3. 12 Drawing(s) (35 U.S.C. 113) Total Sheets 10. Statement (IDS)/PTO-1449 4. Oath or Declaration 3 [Total Sheets 11. **Preliminary Amendment** Return Receipt Postcard (MPEP 503) (should be specifically itemized) X X Newly executed (original or copy) 12. Small Entity Copy from a prior application (37 C.F.R. .§ 1.63 (d)) Statement(s) Statement filed in prior application, b. 13. (for continuation/divisional with Box 16 completed (PTO/SB/09-12) Status still proper and desired Certified Copy of Priority Document(s) DELETION OF INVENTOR(S) Signed statement attached deleting i. X 14. (if foreign priority is claimed) inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b). 15. Other: ..... NOTE FOR ITEMS 1 & 13: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28) 16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment: ☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: Prior application information: Examiner Group/Art Unit: For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.

The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 17. CORRESPONDENCE ADDRESS 23400 or 🔲 Correspondence address below (Insert Customer No. or Attach bar code label here) Name Address City Zip Code State Country (703) 707-9110 Fax (703) 707-9112 Telephone

Name (Print/type)	DAVID G. POSZ *	Registration No. (Attorney/Agent)	37,701	
Signature	TOUR	Date	March 2, 2004	

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Mail Stop Patent Application, Arlington, VA 22202.

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FEE TRANSMITTAL		Application Number						
I LE INANOMIIIAL	-	Filing Date			March 2, 2004			
for FY 2004		First Named Inventor			AOKI			
		Examiner Name						
Effective 10/01/2003. Patent fees are subject to annual revision.		Art Unit						
Applicant Claims small entity status. See 37 CFR 1	.27							
TOTAL AMOUNT OF PAYMENT (\$) 986		Attorney Docket No. 01-562						
METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)						
X Check Credit card Money Other None		3. ADDITIONAL FEES Large Entity   Small Entity						
Deposit Account	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee De	escription	Fee Paid	
Deposit Account 50-1147	1051	130	2051	65		rge – late filing fee or oath		
Deposit Account Name  POSZ & BETHARDS, PLC	1052	50	2052	25	Surcha cover :	rge – late provisional filing fee or sheet		
The Commissioner is authorized to: (check all that apply)		130	1053	130	Non-Er	nglish specification		
Charge fee(s) indicated below Credit any overpayments	1812	2,520	1812	2,520		g a request for ex parte reexamination		
Charge any additional fee(s) during the pendency of this application		920*	1804	920*		sting publication of SIR prior to ner action		
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	1805	1,840*	1805	1,840*		sting publication of SIR after , error action		
FEE CALCULATION	1251	110	2251	55	Extens	nsion for reply within first month		
1. BASIC FILING FEE	1252	420	2252	210	Extens	ion for reply within second month		
Large Entity   Small Entity	1253	950	2253	475	Extens	extension for reply within third month		
Fee Fee Fee Fee Description Code (\$) Code (\$) Fee Paid	1254	1,480	2254	740	Extens	ion for reply within fourth month		
1001 770 2001 385 Utility filing fee 770	1255	2,010	2255	1005	Extens	ion for reply within fifth month		
1002 340 2002 170 Design filing fee	1401	330	2401	165	Notice	of Appeal		
1003 530 2003 265 Plant filing fee	1402	330	2402	165	-	brief in support of an appeal		
1004 770 2004 385 Reissue filing fee	1403	290	2403	145	•	st for oral hearing		
1005 160 2005 80 Provisional filing fee	1451 1452	1,510 110	1451 2452	1,510 55		to institute a public use proceeding		
SUBTOTAL (1) (\$) 770	1452	1,330	2452	665		to revive - unintentional		
SUBTOTAL (1) (\$) 770	1501	1,330	2501	665		ssue fee (or reissue)		
Fee from	1502	480	2502	240	•	ign issue fee		
Total Claims 25 -20**= 5 × 18 = 90		640	2502	320	-	sue fee		
Independent Claims 4 - 3**= 1 X 86 = 86		130	1460	130		ns to the Commissioner		
Multiple Dependent =		50	1807	50	Proces	ocessing fee under 37 CFR 1.17(q)		
Large Entity   Small Entity		180	1806	180	Submis	Submission of Information Disclosure Stmt		
Fee Fee Fee Fee Fee Description  Code (\$) Code (\$)	8021	40	8021	40		ling each patent assignment per	40	
1202 18 2202 9 Claims in excess of 20	1809	770	2809	385	Filing a	y (times number of properties) I submission after final rejection R § 1.129(a))		
1201 86 2201 43 Independent claims in excess of 3	1810	770	2810	385	For eac	ch additional invention to be		

SUBMITTED BY	, , , , , , , , , , , , , , , , , , ,		Complete (if applicable)			
Name (Print/Type)	DAVID G. POSZ		Registration No. (Attorney/Agent)	37,701	Telephone	(703) 707-9110
Signature	1	2	2/5		Date	March 2, 2004

770 2801

Other fee (specify)

900 | 1802

\*Reduced by Basic Filing Fee Paid

1801

1802

385

900

examined (37 CFR § 1.129(b))

of a design application

Request for expedited examination

Request for Continued Examination (RCE)

SUBTOTAL (3)

(\$)40

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1203

1204

1205

290

86 2204

2203

18 2205

43

SUBTOTAL (2) | (\$)

\*\* or number previously paid, if greater; For Reissues, see above

Multiple dependent claim, if not paid

\*Reissue claims in excess of 20 and over original patent

176

\*\*Reissue independent claims over original patent

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 37 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.